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MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

DECEMBER 1934

TEMPERATURE

The month was colder than a normal December over by far the greater part of the Dominion. Exceptions were southern British Columbia where the normal temperature was exceeded by one to three degrees, the Peace, Athabaska and Great Slave Lake regions where the excess over normal was one to five degrees, the northern Yukon and the Lower Mackenzie Valley where the excess ranged from one to ten degrees. The mild conditions at the mouth of the Mackenzie from the fifth to the twelfth were very unusual. The latter half of the month, however, was very cold from Dawson to Norman, some days averaging between forty and fifty degrees below zero.

From Chesterfield Inlet on the northwest shore of Hudson Bay northwestward to Coppermine on the Arctic mainland the extremely cold weather of the last half of the month brought the average five or six degrees below normal.

Over the wheat regions of the western provinces temperatures were generally deficient to the extent of two to four degrees. There was a considerable area, however, centred about Edmonton and extending as far north as the Lesser Slave Lake where temperatures were six to eight degrees below normal. In Manitoba the central portion of the lake region had mean temperatures a little above normal.

In the Rainy River region of Ontario temperatures were four to five degrees below normal but in a portion of the Thunder Bay region only two degrees below normal. East of Lake Superior, as far south as Lake Nipissing and as far north as James Bay, there was a region where temperatures were six to eight degrees below normal. In the Lower Lake region temperatures were generally below normal by two to four degrees, but in the counties between the Ottawa and Upper St. Lawrence Rivers temperatures averaged five to seven degrees below normal with a few points still lower.

In Quebec in the southwestern corner of the province temperatures were mostly three to four degrees below normal. Below Quebec City as far as Father Point and also in the Laurentian Highlands temperatures were five to ten degrees below normal. In the Gaspé Peninsula temperatures were below normal by three to five degrees and on the north shore by seven degrees but on the Island of Anticosti and at Father Point by only one to three degrees.

In the Atlantic Provinces mean temperatures were below normal by five to nine degrees in New Brunswick, and four to eight degrees in Nova Scotia and Prince Edward Island.

PRECIPITATION

In British Columbia precipitation was very unevenly distributed. In some parts of Vancouver Island and the Lower Fraser Valley there was an excess of fifteen to fifty per cent. and in some of the southern interior valleys there were excesses mainly due to heavy snow of fifty to two hundred per cent. In the Upper Fraser Valley and on the north coast there were deficiencies ranging generally from ten to fifty per cent. In the Peace and Athabaska valleys of Alberta there was an excess of forty per cent. generally but with some points reporting three or four times the normal amount. Locally also in the extreme southern portion of Alberta there was a moderate excess. In the central portion of the province, however, the precipitation was generally normal or slightly deficient.

In Saskatchewan in the upper part of the grain region from an inch to an inch and a half was recorded where the normal December amount is generally from five to eight tenths of an inch. In the southern portion of Saskatchewan the amount was about normal except just east of the Cypress Hills and in the southeastern corner of the province where there was a deficiency.

In Manitoba there was a deficiency in the eastern portion of the Grain Belt while the amount was nearly normal in the Red River region.

In the Rainy River region of Ontario, in Kenora, northern Algoma and Sudbury precipitation was moderately in excess of normal. Over a considerable portion of Temiskaming and eastern Algoma there was a moderate deficiency.

In the Lower Lake region precipitation was generally deficient to a moderate degree except in the central counties of the peninsula where barely half the normal amount was recorded. Along the north shore of Lake Ontario and the Upper St. Lawrence Valley there was a moderate deficiency but several interior points north of the St. Lawrence and north to the Ottawa Valley reported a moderate excess.

In the region of the Laurentian Hills of Quebec there were excesses of ten to fifty per cent. while at points along the river St. Lawrence there were both excess and deficiency. The deficiencies were, however, mostly confined to the region south of the river in the southwestern corner of Quebec. In the Gaspé Peninsula and on Anticosti Island there was an excess of about thirty per cent. while precipitation was about normal in the Lake St. John region.

In the Atlantic provinces the deficiencies were mostly confined to New Brunswick and Cape Breton, ranging from ten to thirty-five per cent. Locally in northwestern and southeastern New Brunswick there were excesses of ten to eighty per cent. while in Nova Scotia and Prince Edward Island precipitation ranged from normal to twice the normal amount.

Strong winds and gales were general throughout the month in these provinces causing heavy losses to fishermen by both wind and ice movement.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month; Column Sg denotes depth of snow on ground in inches, where given.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Cowichan Bay.....	48°	26°	5.5	37		Port Alberni.....	51°	26°	13.2			Vernon.....	40°	0°	2.4	27	
Duncan.....	58°	21°	9.5			Estevan Point.....			18.0		42°	Kaslo.....			7.4		30°
Goldstream Lake....			13.2			Prince Rupert.....	60°	12°	7.8	50	36°	Canal Flats.....			1.9		
Shawnigan Lake.....	57°	25°	9.9			Prince George.....	44°	-37°	1.8	41	17°	Cranbrook.....	40°	-15°	2.8		
Sooke.....	56°	26°	12.7			Agassiz.....	51°	14°	10.1	45		Kamloops.....	42°	-6°	1.1	19	26°
Victoria.....	52°	30°	6.4	71	42°	New Westminster..	52°	25°	12.8			Salmon Arm.....	40°	-4°	3.1	12	
Courtenay.....			8.0			Vancouver.....	53°	28°	12.3	44	40°	Glacier.....	33°	1°	7.5		
Nanaimo.....	50°	28°	7.4	39		White Rock.....	52°	25°	8.3			Atlin.....			0.1		10.5°

ALBERTA

STATION	H	L	P	I	Tm	Sg	STATION	H	L	P	I	Tm	Sg
Beaverlodge.....	50°	-35°	1.6	101	10°		Jenner.....	37°	-40°	0.2		9°	
Fairview.....	40°	-40°	0.6	46	4°		Red Deer.....	44°	-35°	0.4		17°	
Rycroft.....	46°	-53°	1.4				Stettler.....	42°	-37°	0.7		8°	
Athabasca.....	46°	-48°	1.4		4°		Beaver Mines.....	56°	-45°	2.0		19°	
Fort McMurray.....	33°	-48°	4.0		-5°		Calgary.....	58°	-28°	0.2	88	19°	
Grouard.....	37°	-55°	2.8				Cardston.....	58°	-25°	1.1		22°	
High Prairie.....	45°	-49°	1.4		4°		Cowley.....			2.1			
Slave Lake.....	40°	-20°	1.2		5°		Lethbridge.....	56°	-24°	0.6	97	22°	5
Camrose.....	42°	-42°	0.4		8°		Macleod.....	58°	-26°	0.8		23°	
Edmonton.....	42°	-35°	0.8	84	9°	5	Medicine Hat.....	45°	-31°	0.8	76		5
Rocky Mountain House.	49°	-51°	0.4		8°		Raymond.....	51°	-27°	0.6		22°	
Vermilion.....	38°	-42°	0.3		6°		Seven Persons.....			1.7			
Viking.....	40°	-42°	0.7		6°		Winnifred.....			0.6			
Alix.....	57°	-48°	0.4		11°		Exshaw.....	43°	-32°	1.2		19°	

SASKATCHEWAN

Battleford.....	37°	-43°	1.6		4°	8	Nokomis.....	35°	-39°	1.4		4°	
Biggar.....	37°	-38°	0.0		5°		Qu'Appelle.....	36°	-36°	0.5	78	8°	3
Prongue.....			0.9				Regina.....	35°	-37°	0.6		7°	5
Scott (Exp. Farm)...	31°	-46°	1.2	48	3°		Regina (Exp. Sub. Station)	35°	-37°	0.6		7°	
Waseca.....	33°	-40°	0.6		3°		Strasbourg.....	38°	-43°	0.9		8°	
Melfort.....	33°	-42°	0.8		2°	9	Whitewood.....	33°	-39°	0.4		6°	
Prince Albert.....	40°	-46°	0.9		4°		Chaplin.....	34°	-35°	0.1		8°	
Saskatoon.....	34°	-43°	0.8		5°		Climax.....			0.1			
Lac la Rouge.....	37°	-43°	0.7		0°		Gravelbourg.....	40°	-38°	0.0		12°	
Carlyle.....	36°	-41°	0.9		4°		Leader.....	38°	-38°	0.6		7°	
Ceylon.....			0.3				Pennant.....	40°	-33°	0.4		11°	
Francis.....	34°	-38°	0.3		6°		Rockglen.....			0.7			
Grenfell.....	32°	-37°	0.8		6°		Rosetown.....	33°	-37°	0.4		4°	
Hubbard.....	33°	-42°	0.8		4°		Shaunavon.....	44°	-30°	0.0		16°	
Humboldt.....	33°	-44°	1.0		4°		Strongfield.....			0.3			
Indian Head.....	35°	-37°	0.6		7°		Surprise.....	44°	-29°	0.6		13°	
Lumsden.....	40°	-39°	0.0		8°		Swift Current.....	44°	-30°	0.5	94	14°	4
Midale.....	35°	-38°	0.6		9°		Wapashoe.....			0.9			
Moose Jaw.....	48°	-31°	0.5	62	12°		Willow Creek.....	51°	-26°	0.0		15°	
Muenster.....	33°	-52°	0.4		2°								

MANITOBA

Birtle.....	32°	-36°	0.2			5	Graysville.....	40°	-35°	1.0		6°	4
Brandon.....	34°	-38°	0.6	91	6°	6	Morden.....	38°	-31°	0.7	96	7°	
Forrest.....	40°	-48°	0.1		3°	6	Morris.....	35°	-37°	0.3		8°	6
Hamiota.....	30°	-41°			4°		Sprague.....	34°	-43°	1.1		7°	
Minnedosa.....	33°	-38°	0.4		6°	3	Winnipeg.....	35°	-37°	0.9	80	5°	10
Ninette.....	34°	-37°	0.9		9°	9	Bissett.....	31°	-43°	0.7		1°	
Pierson.....	32°	-42°	0.1		6°		Great Falls.....	34°	-37°	0.7		5°	
Russell.....	30°	-46°			3°		Pinawa.....	33°	-35°	0.6		9°	
St. Alban's.....	34°	-38°	0.7		9°	9	Aitkensville.....	35°	-36°	1.4		4°	14
Treherne.....	34°	-31°	0.6				Dauphin.....	36°	-34°	0.6		7°	10
Waskada.....	38°	-49°	0.7		7°		Le Pas.....	34°	-42°	0.3		0°	

ONTARIO

STATION	H	L	P	I	Tm	Sg	STATION	H	L	P	I	Tm	Sg
<i>Northwestern Ontario</i>							Orono.....	45°	-6°	3.0	92	20°	18
Atikokan.....	34°	-33°	1.7		5°		Toronto.....	45°	0°	2.5	54	26°	
Mine Centre.....	34°	-35°	1.2		4°	10	Fenelon Falls.....			2.5			14
Kenora.....	34°	-35°	1.6				Haliburton.....	48°	-23°	3.3		12°	11
Sioux Lookout.....			2.3		3°	10	Lakefield.....	41°	-14°	1.3		17°	8
Longlac.....	32°	-35°	0.8		4°	16	Peterboro.....	39°	-18°	2.1		17°	20
Macdiarmid.....	31°	-15°	1.8		12°	16	<i>Southwestern Ontario</i>						
Port Arthur.....	36°	-20°	1.1		13°	6	Angus.....	48°	-10°	0.8		20°	
Quorn.....	30°	-37°	1.2		2°	10	Barrie.....	47°	-10°	2.4	47	19°	12
Savanne.....	29°	-41°	1.3		2°		Beatrice.....	47°	-23°	2.4		13°	13
<i>North Central Ontario</i>							Beeton.....	50°	-5°	1.9		22°	6
Franz.....	34°	-35°	2.0		4°	12	Eugenia.....	48°	-22°	1.2		13°	
White River.....			2.2		2°		Magnetawan.....	48°	-21°	2.1		12°	16
Biscotasing.....	36°	-31°	2.0		5°	4	Orillia.....	43°	-15°	2.2		16°	11½
Chapleau.....	33°	-30°	1.6		6°		Owen Sound.....	52°	-2°	3.1		23°	
Ruel.....	36°	-32°	0.2		4°		Parry Sound.....	44°	-12°	3.0		16°	5
High Falls.....			2.4				Walker's Point.....	46°	-17°	3.2	77	14°	
Cochrane.....	36°	-29°	2.3	92	3°	14	Walkerton.....	39°	-7°	2.3		23°	12
Haileybury.....	43°	-21°	1.4	90	7°	7	Brucefield.....	50°	-3°	1.2		24°	
Heaslip.....	45°	-33°	1.5		-2°		Forest.....	37°	-2°	1.7		24°	
Timmins.....	38°	-25°	2.1		5°	13	Goderich.....	53°	3°	1.4		26°	6
Bear Island.....	44°	-19°			11°		Lucknow.....	49°	0°	2.1		23°	9
Madawaska.....	45°	-28°	1.2		9°	12	Southampton.....			2.7		24°	8
Gore Bay.....	38°	-10°	3.1		17°	11	Chatham.....	44°	0°	2.0	57	26°	
Providence Bay.....	38°	-7°	1.8		19°	5	Harrow.....	57°	-1°	2.1	48	27°	1
<i>Southeastern Ontario</i>							Leamington.....	40°	2°	2.5		26°	4
Belleville.....	53°	-14°	0.3	93	18°		Niagara Falls.....	39°	7°	2.2		26°	
Brockville.....	50°	-18°	2.8		17°	12	Peelee Island.....	47°	6°	0.9		28°	
Campbellford.....	42°	-13°	3.0	97	17°	14	Port Dover.....	50°	-3°	2.7		24°	
Clontarf.....	44°	-20°	2.8		11°	16	Ridgetown.....	58°	-2°	2.7		26°	2
Kemptville.....	48°	-19°	1.8		14°	15	St. Catharines.....	46°	6°	2.6	38	26°	
Kingston.....	52°	-10°	2.4	88	20°	4	St. Thomas.....	53°	-5°	3.2		25°	
Morrisburg.....	47°	-24°	2.3		15°	10	Simcoe.....	42°	-2°	2.9		25°	
Ottawa.....	47°	-15°	3.0		14°	14	Welland.....	51°	6°	3.0		26°	3
Ottawa (Exp. Farm)	46°	-22°	3.1	83	11°	16	Alton.....	47°	-10°	1.2		20°	8
Pembroke.....	45°	-21°	3.1		12°	20	Brantford.....	40°	-2°	1.6		24°	3
Picton.....	55°	-15°	3.3		20°		Grand Valley.....	37°	-13°	1.8		19°	8
Renfrew.....	44°	-28°	3.0		7°		Kitchener.....	44°	-4°	0.8		24°	
Trenton.....	52°	-12°	3.8		18°		London.....	43°	-8°	3.3		23°	
Agincourt.....	44°	-4°	1.5		23°	5	Lucan.....	43°	-8°	2.2		24°	
Georgetown.....	42°	-12°	1.2		21°		Mount Forest.....	38°	-7°	2.2		20°	11
							Paris.....	45°	-4°	2.3		24°	13
							Stratford.....	38°	-4°	2.7		22°	12
							Woodstock.....	41°	-2°	1.8	49	23°	7

QUEBEC

Beauceville.....	59°	-14°	2.5		14°		Sherbrooke.....	62°	-16°	2.5	64	15°	6
Brome.....	65°	-22°	2.8		13°	8	Sorel.....	47°	-20°	4.5		11°	
Cantic.....	60°	-20°	2.6		14°		Albanel.....	35°	-33°	2.7	93	2°	
Cap Rouge (Exp. Farm)	45°	-11°	2.8	84	10°	16	Portage des Roches.....	38°	-30°	2.8		4°	
Cedars.....	52°	-8°	2.2		14°	12	Roberval.....	42°	-30°	2.2		1°	18
Chelsea.....	46°	-19°	3.2		12°		Manouan.....	38°	-31°	3.8		5°	19
D'Israeli.....	54°	-28°	4.5		10°		Rigolet.....	48°	-28°	4.9		9°	
Farnham.....	63°	-24°	2.6	75	14°	7	Sanmaur.....	41°	-39°	3.4	78	2°	17
High Falls.....	45°	-24°	3.6		10°		Amos.....	44°	-29°	1.9		3°	
Huberdeau.....	50°	-20°	1.9		12°	4½	Dolbeau.....	38°	-36°	2.4		2°	
Joliette.....	47°	-21°	2.1		11°		Doucet.....	40°	-36°	3.0		0°	
Lennoxville.....	62°	-25°	3.4	69	13°	14	Kipawa.....			2.5			
(Experimental Farm)							La Ferme.....	39°	-29°	1.1	73	4°	
Macdonald College.....	48°	-13°	2.9		14°	14	Ville Marie.....	30°	-18°	2.0		9°	
Maniwaki.....	44°	-17°	3.1	120	10°	24	Anticosti.....			2.7		19°	
Mercier Dam.....	43°	-18°	3.4		10°		Bicquette.....	40°	-16°	2.5		6°	
Montreal.....	52°	-10°	3.2	76	14°	15	Bonaventure.....	50°	-10°	3.8		23°	
Nicolet.....	51°	-16°	3.3		12°		Cape Chat.....	49°	-10°	3.4		15°	12
Quebec.....	44°	-12°	3.2	93	12°	16	Fame Point.....	52°	-4°	6.4		15°	34
St. Gabriel de Brandon.....			5.0				Father Point.....			3.6		13°	
St. Joachim.....	47°	-18°	3.2	151	12°	10	Gaspé.....	50°	-11°	4.2		14°	
St. Lin.....	47°	-25°	3.1		10°		Grindstone Island.....	49°	10°	3.5		22°	15
St. Tite.....	44°	-23°	3.2		7°		Harrington Harbour.....			2.2		10°	
							Port Daniel.....	49°	-8°	2.7		15°	
							Price.....	45°	-16°	2.5		10°	

ATLANTIC PROVINCES

Aroostook.....	56°	-17°	3.1		11°	12	Sackville.....	54°	-7°	2.9		17°	
Bathurst.....	48°	-10°	2.9		12°	18	Sussex.....	61°	-5°	3.2		17°	3
Chatham.....	44°	-15°	2.7		12°	6	Woodstock.....	59°	-11°	1.9		12°	6
Chipman.....	57°	-15°	2.5		11°		Digby.....	63°	3°	6.4		24°	
Edmundston.....	49°	-16°	3.9		-10°	16	Halifax.....	57°	4°	5.4		23°	4
Fredericton.....	59°	-8°	2.1	127	12°	9	Liverpool.....	64°	-2°	8.5		24°	14
Fredericton (Exp. Farm)	54°	-9°	2.4	127	13°	2	Nappan.....	59°	-7°	4.2	110	17°	
Gagetown.....	59°	-5°	2.3		16°	4	St. Paul Island.....			4.1		25°	
Grand Falls.....	40°	-20°	2.5		9°		Sydney.....	54°	12°	4.1		25°	12
Harvey.....	56°	-6°	1.0		13°	6	Truro.....	59°	-10°	6.4		17°	
McAdam Jct.....	58°	-7°	2.6		14°	12	Upper Stewiacke.....	59°	-13°	5.6		18°	6
Moncton.....	59°	-7°	2.9			8	Wolfville.....	62°	3°	5.2	87	22°	8
Richibucto.....	59°	-10°	3.1		13°	8	Yarmouth.....	59°	12°	5.6		28°	18
St. George.....	55°	-5°	4.8		19°		Charlottetown.....	56°	-1°	4.3	72	19°	15
St. John.....	56°	0°	3.8	129	19°	3	(Experimental Farm)						
							Cape Race, Nfld.....	48°	7°	4.3		28°	6



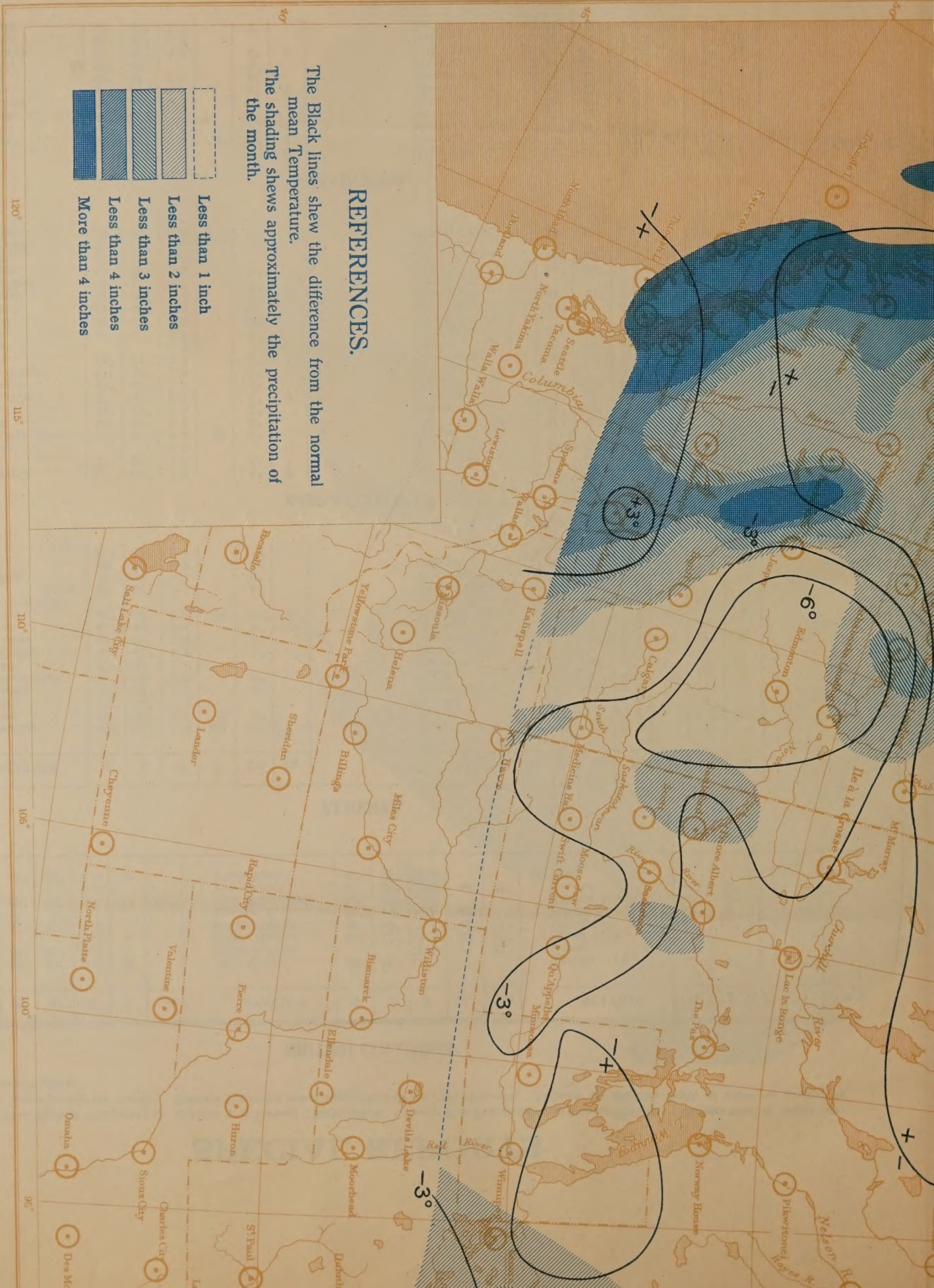
Ellesmere Island

THE DOMINION OF CANADA. MAP

R. 1934

temperature; and total precipitation of the month.





REFERENCES.

The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

